Incentive points: Although not a federally mandated requirement for the grant, Arizona may award incentive points to proposals submitted by applicants who have not been previously funded by the MSP Program or from specific geographic areas in need of quality professional development in the area of secondary mathematics.

1. Partnership Needs Assessment:

The needs assessment should indicate a clear statement of needs derived from multiple sources and multiple years if available.

| Criteria | Exceeds Standard | Meets Standard | Below Standard |
|-------------------|---|--|---------------------------------------|
| 1a. | 5 points | 4 points | 0 points |
| Baseline data | There is clear evidence of baseline data | There is clear evidence of baseline data | Limited baseline data is given. Needs |
| | from 3 or more teacher and/or student | from 1 teacher and 1 student source | identified are not adequately |
| | sources (i.e., norm-referenced | (i.e., norm-referenced assessments, | supported by evidence. Data is not |
| | assessments, district benchmark | district benchmark assessments, | appropriately disaggregated. |
| | assessments, college transcripts, etc.) | college transcripts, etc.) to support the | |
| | to support the selected mathematics | selected mathematics professional | |
| | professional development needs of the | development needs of the school | |
| | school population. Both teacher and | population. Teacher and student data | |
| | student data are provided. | are provided. Number and percentage | |
| | Number and percentage of students to | of students to be impacted per site is | |
| | be impacted per site is indicated. Specific student learning needs are | indicated. Specific student learning needs are provided. Data is | |
| | provided. Data is disaggregated by | disaggregated by concept and school. | |
| | concept and school. | disaggregated by concept and school. | |
| 1b. | 4 points | 3 points | 0 points |
| Identification of | Provides information on the number | Provides information on the number | Vague or limited information is given |
| professional | and percentage of 7-12 teachers who | and percentage of 7-12 teachers who | about the number of 7-12 teachers |
| development needs | have sufficient and insufficient | have sufficient and insufficient | with sufficient and insufficient |
| | professional development in | professional development in | professional development in |
| | mathematics content knowledge | mathematics content knowledge | mathematics content knowledge. Data |
| | disaggregated by school. The needs | disaggregated by school. | is not appropriately disaggregated. |
| | assessment also includes a correlation | | |
| | between teachers' content knowledge | | |
| | in mathematics and student | | |
| | achievement. | | |
| | | | |

^{*}Up to 8 points may be added at the discretion of the review team based on the quality of the proposal.

1. Partnership Needs Assessment:

The needs assessment should indicate a clear statement of needs derived from multiple sources and multiple years if available.

| Criteria | Exceeds Standard | Meets Standard | Below Standard |
|--|--|--|---|
| 1c. | 3 points | 2 points | 0 points |
| Prioritization of professional development needs | There is clear evidence included that partners have collectively determined which professional development needs are of the highest priority and will be addressed by the project. The needs assessment demonstrates a clear alignment between needs and the targeted mathematics content. | Some evidence is provided to show that the targeted professional development needs were selected with input from project partners. The needs assessment demonstrates a clear alignment between needs and the targeted mathematics content. | Limited or no evidence is given to indicate why the partnership selected the targeted professional development needs. The targeted professional development needs do not align with targeted mathematics content. |

2. Partnership Project SMART Goals and Objectives:

The project SMART goals and objectives should be closely linked to the professional development needs of the teachers.

| Criteria | Exceeds Standard | Meets Standard | Below Standard |
|--|--|---|---|
| 2a. Description of the project's goals and objectives | 5 points Goals are clear and objectives are specific, measurable, attainable, results-oriented, time bound. Objectives include reducing number of teachers not adequately prepared to teach mathematics and increasing academic achievement of students taught by teachers in the program. | 4 points Goals and objectives are well defined and measurable. Objectives include reducing number of teachers not adequately prepared to teach mathematics and increasing academic achievement of students taught by teachers in the program. | O points Goals or objectives are poorly designed and/or not measurable. |
| 2b. Project is designed to achieve goals and objectives | 5 points Goals and objectives are specifically linked to the individual professional development needs of the teachers. | 4 points Goals and objectives are linked to the professional development needs of the teachers. | O points Goals or objectives are poorly correlated with the needs assessment. |

2. Partnership Project SMART Goals and Objectives:

The project SMART goals and objectives should be closely linked to the professional development needs of the teachers.

| Criteria | Exceeds Standard | Meets Standard | Below Standard |
|---------------------------------|---|---|---|
| 2c. | 3 points | 2 points | 0 points |
| Theory of action plan or | Describes a detailed theory of action | Describes a theory of action plan or | Little or no connection is made |
| logic model is linked to | plan or logic model that clearly links to | logic model that links to the goals and | between the theory of action plan or |
| goals and objectives of project | the goals and objectives of the project. | objectives of the project. | logic model to the goals and objectives of the project. |
| | | | |
| | | | |
| | | | |

3. Research/Evidence Base and Efficacy of Plan to Increase Student Achievement:

| Criteria | Exceeds Standard | Meets Standard | Below Standard |
|---|---|---|--|
| 3a. | 3 points | 2 points | 1 points |
| Connecting prior professional development efforts to proposed project | Provides a detailed description of prior efforts to improve teacher content knowledge and student achievement in mathematics, lessons learned from these prior efforts, and how this project will build on those efforts. | Describes prior efforts to improve teacher content knowledge and student achievement in mathematics and relates how this project will build on those efforts. | Does not adequately address prior efforts to improve teacher content knowledge and student achievement in mathematics and/or how this project will build on those efforts. |
| 3b . Activities are linked to goals and objectives of proposal | 5 points Provides specific and clear activities that link to the goals and objectives stated in the project and the data provided by the needs assessment. | 4 points Evidence is provided that activities will lead to achievement of the goals and objectives. | O points Little or no correlation is made between activities and achievement of the project's goals or objectives. |

3. Research/Evidence Base and Efficacy of Plan to Increase Student Achievement:

| Criteria | Exceeds Standard | Meets Standard | Below Standard |
|--|--|--|--|
| 3c. Supporting research linking professional development strategies and increased student achievement in mathematics | 6 points Clearly outlines how the professional development strategies are valid and reliable, based on a review of scientifically-based research, and how the project expects to increase student academic achievement in mathematics and strengthen the quality of mathematics instruction. | 5 points Includes clearly documented scientifically-based research that the professional development strategies will increase student achievement in mathematics and strengthen the quality of mathematics instruction. | O points Proposal includes references but provides little evidence of research linking professional development strategies to increased student achievement in mathematics and/or strengthening of the quality of mathematics instruction. |
| 3d. Description and timeline of professional development activities | 4 points Includes a clear and detailed description (outlining the targeted concepts) and timeline of all the professional development activities (80 hours of rigorous & deep mathematics content and at least 24 additional hours which emphasize instruction for a total of 104 hours). Timeline includes the number, types, duration, intensity and responsible partner(s). | 3 points Includes a general description (outlining the targeted concepts) and timeline of all the professional development activities (80 hours of rigorous & deep mathematics content and at least 24 additional hours which emphasize instruction for a total of 104 hours) Timeline includes the number, types, duration, intensity and responsible partner(s). | O points Includes an incomplete description and/or timeline. |
| 3e. Planned activities are aligned with Arizona's College and Career Ready Standards for Mathematics. | 5 points Includes a clear and detailed description of how the proposed professional development will be aligned to targeted domains/clusters within Arizona's College and Career Ready Standards for Mathematics. | 4 points Describes professional development that is aligned to targeted domains/clusters within Arizona's College and Career Ready Standards for Mathematics. | O points Provides a limited description of how the professional development is aligned to targeted domains/clusters within Arizona's College and Career Ready Standards for Mathematics. |

3. Research/Evidence Base and Efficacy of Plan to Increase Student Achievement:

| Criteria | Exceeds Standard | Meets Standard | Below Standard |
|---|---|--|---|
| 3f. Planned activities are aligned with InTASC Teaching Standards and the Learning Forward Standards | 3 points Describes a detailed plan that clearly illustrates how the proposed professional development is aligned with the InTASC Teaching Standards and the Learning Forward Standards, and provides for work-embedded application of new learning, continuous reflection, and ongoing support. | 2 points Describes how the proposed professional development is aligned with the InTASC Teaching Standards and the Learning Forward Standards, and provides for work-embedded application of new learning, continuous reflection, and ongoing support. | O points Does not provide sufficient evidence describing how the proposed professional development is aligned with the InTASC Teaching Standards and the Learning Forward Standards, or does not provide for workembedded application of new learning, continuous reflection, and ongoing support. |
| 3g. Planned activities contain rigor and challenging content and develop pedagogical content knowledge | 6 points Includes evidence that the professional development is rigorous and challenging in academic content and explicitly addresses knowledge of content and students and knowledge of content and teaching. (Evidence of rigor and challenge should be in the sample lesson plan with technology integration, description and timeline.) | 5 points Includes evidence that the professional development is rigorous and challenging in academic content and also develops pedagogical content knowledge. (Evidence of rigor and challenge should be in the sample lesson plan, description and timeline.) | O points Provides limited evidence that the professional development is rigorous or challenging in academic content and/or focuses mainly on pedagogy. |

3. Research/Evidence Base and Efficacy of Plan to Increase Student Achievement:

| Criteria | Exceeds Standard | Meets Standard | Below Standard |
|---------------------|--|---|--|
| 3h. | 3 points | 2 points | 0 points |
| Design elements for | Proposed detailed, coherent plan that | Proposed plan is aligned to a | Proposed plan is aligned to a |
| planned activities | is aligned to a professional | professional development design that | professional development design that |
| | development design that fully develops | includes these 4 elements (see | is missing one or more of these 4 |
| | these 4 elements (see Definitions | Definitions Section): | elements (see Definitions Section) or |
| | Section): | Learn the Content | the sample plan does not provide |
| | Learn the Content | Reinforce the Content Learning | evidence that all four elements are |
| | Reinforce the Content Learning | Consolidate the Learning | addressed: |
| | Consolidate the Learning | Implement the Content | Learn the Content |
| | Implement the Content | Provides within sample plan, evidence | Reinforce the Content Learning |
| | Provides within sample lesson plan, | that all four elements are addressed | Consolidate the Learning |
| | evidence that all four elements are | including technology integration. | Implement the Content |
| | addressed including technology | Description of activities and timelines | Description of activities and timelines |
| | integration. Description of activities | demonstrate the implementation of | do not demonstrate the |
| | and timelines demonstrate the | the 4 elements and indicate that all | implementation of the 4 elements |
| | implementation of the 4 elements and | content offerings (summer and | and/or do not indicate that all sessions |
| | indicate that all content offerings | academic year) contain Learn the | contain Learn the Content and |
| | (summer and academic year) contain | Content and Reinforce the Content | Reinforce the Content Learning. None |
| | Learn the Content and Reinforce the | Learning. General plan indicating | or limited plan indicated for |
| | Content Learning. Detailed plan | responsibilities and timeline for | responsibilities and timeline for |
| | indicating responsibilities and timeline | creating and maintaining all grant | creating and maintaining grant |
| | for creating and maintaining all grant | documentation on internet accessible | documentation on internet accessible |
| | documentation on internet accessible | storage. | storage. |
| | storage. | | |

4. Partnership Evaluation and Accountability Plan:*

Identify evaluation methods that the project will use and explain why those methods are appropriate for the identified needs the proposal addresses. A proposal must make a compelling case for the activities of the project and describe how the activities will help the MSP program build a rigorous, cumulative, reproducible, and usable body of findings.

*If one or more indicators in this section are scored "Below Standard," the grant proposal may be rejected.

| Criteria | Exceeds Standard | Meets Standard | Below Standard |
|-------------------------|---|---|--|
| 4a. | 5 points | 4 points | 0 points |
| Design of evaluation | Describes a detailed evaluation plan | Describes a detailed evaluation plan | Describes an evaluation plan that is not |
| plan is based on quasi- | based on experimental design, with | based on a quasi-experimental design | based on experimental or quasi- |
| experimental or | defined treatment and control groups | in which intervention and carefully | experimental design. Strategies for |
| experimental design | with adequate sample sizes (at least 36 | matched control groups are | recruitment and retention of |
| | teachers) in each group, in which | constructed, with adequate sample | intervention and control groups to |
| | intervention and control groups are | sizes (at least 36 teachers) in each | maintain sample size are not |
| | constructed by randomly assigning | group. Strategies for recruitment and | adequately addressed. Matching |
| | some teachers to participate in the | retention of intervention and control | characteristics and methods for |
| | project activities and others to not | groups to maintain sample size | reporting the equivalence of the |
| | participate. Strategies for recruitment | throughout the project is included. | groups are not provided or do not |
| | and retention of intervention and | Matching characteristics (including, at | meet the minimum criteria. The |
| | control groups to maintain sample size | a minimum, the length of time | evaluation plan does not adequately |
| | throughout the project is included. | teaching, grade band, educational | incorporate reporting requirements |
| | Matching characteristics for | degree, and area of education | (quarterly reports to ADE, Annual |
| | comparison (including, at a minimum, | specialization) and methods for | Performance Reports, and formal |
| | the length of time teaching, grade | reporting the equivalence of the | evaluation reports). |
| | band, educational degree, and area of | groups is provided. A short statement | |
| | education specialization) and methods | of the research questions to be | |
| | for reporting the equivalence of the | answered is included. The evaluation | |
| | groups is well developed and detailed. | plan incorporates reporting | |
| | A short statement of the research | requirements (quarterly reports to | |
| | questions to be answered is included. | ADE, Annual Performance Reports, and | |
| | The evaluation plan incorporates | formal evaluation reports). | |
| | reporting requirements (quarterly | | |
| | reports to ADE, Annual Performance | | |
| | Reports, and formal evaluation | | |
| | reports). | | |
| | | | |

4. Partnership Evaluation and Accountability Plan:*

Identify evaluation methods that the project will use and explain why those methods are appropriate for the identified needs the proposal addresses. A proposal must make a compelling case for the activities of the project and describe how the activities will help the MSP program build a rigorous, cumulative, reproducible, and usable body of findings.

*If one or more indicators in this section are scored "Below Standard," the grant proposal may be rejected.

| Criteria | Exceeds Standard | Meets Standard | Below Standard |
|--------------------------|--|---|--|
| 4b. | 5 points | 4 points | 0 points |
| Measurable evidence | Required state measures (RTOP, valid | Required state measures (RTOP, valid | Required state measures (RTOP, valid |
| for impact of project on | mathematics content measures) and | mathematics content measures) are | mathematics content measures) are |
| student achievement | additional measures (e.g., NRT, CRT, or | used to show the impact of the | not included and/or summative or |
| and teacher | district measures) are used to show the | professional development on teacher | formative assessment procedures are |
| effectiveness goals | impact of the professional | effectiveness. The evaluation plan | not described and/or an analysis of |
| | development on student achievement | includes both pre- and post- RTOP | results is inadequate. A description of |
| | and teacher effectiveness. The | observations and pre- and post-testing | the statistical tests that will be used in |
| | evaluation plan includes both pre- and | of teacher content knowledge and | the analyses is not included or lacks |
| | post- RTOP observations and pre- and | student achievement for the | necessary details. |
| | post-testing of teacher content | intervention and control groups. A | |
| | knowledge and student achievement | description of the statistical tests that | |
| | for the intervention and control | will be used in the analyses is included. | |
| | groups. Description of both summative | | |
| | and formative assessment procedures | | |
| | and the planned analysis of results are | | |
| | included. A description of the statistical | | |
| | tests that will be used in the analyses is | | |
| | well developed and detailed including | | |
| | within group and across group | | |
| | comparisons. | | |
| 4c. | 3 points | 1 point | 0 points |
| Contribution to research | Evaluation plan clearly articulates how | Evaluation plan describes how the | Evaluation plan inadequately |
| | the activities will help the MSP | activities will help the MSP Program | articulates how the activities will help |
| | Program build a rigorous, cumulative, | build a rigorous, cumulative, | the MSP Program build a rigorous, |
| | reproducible, and usable body of | reproducible, and usable body of | cumulative, reproducible, or usable |
| | findings. Appropriate qualifications of | findings. The internal and external | body of findings and/or the internal |
| | the internal and external organization | organization or individuals responsible | and external organization or individuals |
| | or individuals responsible for executing | for executing the plan are referenced. | responsible for executing the plan are |
| | the plan are included. | | not referenced. |

5. Commitment and Capacity of Partnership:

The project description must clearly demonstrate the submitting partnership has the capability of managing the project, organizing the work and meeting deadlines.

| Criteria | Exceeds Standard | Meets Standard | Below Standard |
|--|--|---|--|
| 5a. | 4 points | 3 points | 0 points |
| Partnership's role in planning and development of proposal and project development, delivery, and evaluation | Evidence is provided that clearly describes each partner's role in the planning and development of the proposal and each partner's role in the ongoing planning, delivery, and evaluation of the proposed project. | Evidence is provided that outlines each partner's role in the planning and development of the proposal and each partner's role in the ongoing planning, delivery, and evaluation of the proposed project. | Little or no evidence is provided to indicate the role of one or more partners. |
| 5b. Duties and responsibilities related to the goals and objectives of the project | 5 points The proposal includes a detailed description of the duties and responsibilities of all project staff members and how they are aligned to the goals and objectives of the proposal. | 4 points The proposal includes an outline of the duties and responsibilities of all project staff members and how they are aligned to the goals and objectives of the proposal. | O points Inadequate information on the duties and responsibilities of all project staff members is provided. |

5. Commitment and Capacity of Partnership:

The project description must clearly demonstrate the submitting partnership has the capability of managing the project, organizing the work and meeting deadlines.

| Criteria | Exceeds Standard | Meets Standard | Below Standard |
|-----------------------------------|---|--|---|
| 5c. | 4 points | 3 points | 0 points |
| Capacity of partnership | Evidence of the number and quality of staff to carry out the proposed activities and vitas for key partners' staff and Teacher Assurance Forms are provided. Project staff includes a mathematics faculty/mathematics educator team and the number of staff delivering the professional development is proportionate to the number of participants. A project director or co-director from the LEA is included. A detailed description of the specific institutional resources to support project activities is included. | Evidence of the number and quality of staff to carry out the proposed activities and vitas for key partners' staff and Teacher Assurance Forms are provided. Project staff includes a mathematics faculty/mathematics educator team and the number of staff delivering the professional development is proportionate to the number of participants. A project director or co-director from the LEA is included. Institutional resources to support project activities are unclear. | Explanation of capacity is inadequate and may be missing one or more of the criteria. |
| 5d. Partnership governance | 3 points The partnership's governing structure specific to decision-making, communication, and fiscal responsibilities is well-defined and linked to the goals, objectives, and project activities. The proposal includes a description and evidence of how the private schools were informed. | 2 points The partnership's governing structure specific to decision-making, communication, and fiscal responsibilities is well-defined. The proposal includes a description and evidence of how the private schools were informed. | O points Inadequate information is provided related to partnership governance or how the private schools were informed. |

5. Commitment and Capacity of Partnership:

The project description must clearly demonstrate the submitting partnership has the capability of managing the project, organizing the work and meeting deadlines.

| Criteria | Exceeds Standard | Meets Standard | Below Standard |
|----------------|---|---|--|
| 5e. | 3 points | 2 points | 0 points |
| Sustainability | There is a clear, specific and detailed plan for project continuation. The plan addresses the obstacles to future funding, how assessment data will be used, how the project will be promoted within the school and school districts, and how leadership capacity at the principal and teacher levels will be fostered. | Description of how the project will be sustained and continued when state funding is no longer available is outlined in the plan. The plan addresses all of the following within the outline: how assessment data will be used, how the project will be promoted within the school and school districts and how leadership capacity at the principal and teacher levels will be fostered. | There is an inadequate plan for how the partnership will continue when the state funding is no longer available. |

6. Partnership Budget and Cost Effectiveness:*

The budget justification should clearly be tied to the scope and requirements of the project. The budget narrative should describe the basis for determining the amounts shown on the project budget page. All proposals should include provisions for evaluation of the activities.

*Up to 2 incentive points may be awarded if one or more partners provide additional funding for the project beyond that requested in the MSP proposal

| Criteria | Meets Standard | Below Standard |
|----------------|---|---|
| 6a. | 2 points | 0 points |
| Budget details | The proposal provides a general summary of the | The proposal provides insufficient budget information |
| (In Narrative) | budget outlining specific costs of each category over | regarding specific costs of each category over the duration |
| | the duration of the project; the proposal includes a | of the project; the proposal provides insufficient |
| | budget summary for each partner; and the budget | information for each partner; or the budget does not |
| | supports the scope and requirements of the project. | support the scope and requirements of the project. |

6. Partnership Budget and Cost Effectiveness:*

The budget justification should clearly be tied to the scope and requirements of the project. The budget narrative should describe the basis for determining the amounts shown on the project budget page. All proposals should include provisions for evaluation of the activities.

*Up to 2 incentive points may be awarded if one or more partners provide additional funding for the project beyond that requested in the MSP proposal

| Criteria | Meets Standard | Below Standard |
|---|--|--|
| 6b. Cost effectiveness (In Appendix, Narrative) | 4 points The amount included in each budget category is detailed and commensurate with the services or goods proposed, and the overall cost of the project is appropriate for the professional development provided and the number of teachers served. | O points The amount included in each budget category is not commensurate with the services or goods proposed, or the overall cost of the project is not appropriate for the professional development provided and the number of teachers served. |
| 6c. Provisions for training, evaluation and required meetings (In Appendix) | 2 points The budget includes provisions for an evaluation and funds for key staff, specifically the project director(s), to participate in 2 state technical assistance meetings and 1 regional MSP meeting. External evaluation staff must attend the spring technical assistance meeting and Regional MSP meeting. Funds are allocated for attendance at the Math RTOP training as needed. | O points The budget does not include adequate provisions for an evaluation and/or funds for key staff, specifically the project director(s), to participate in 2 state technical assistance meetings or 1 regional MSP meeting, the external evaluation staff to attend the spring technical assistance meeting, or attendance at the Math RTOP training. |